Acanthobrama telavivensis

Region: 1

Taxonomic Authority: Goren, Fishelson & Trewavas, 1973

Synonyms:

Common Names:

Order: Cypriniformes

Family: Cyprinidae

Notes on taxonomy:

General Information

Biome ☐ Terrestrial ☑ Freshwater ☐ Marine

Geographic Range of species:

This species is restricted to the coastal rivers of Israel, excluding Kishon.

Habitat and Ecology Information:

A coastal river species.

Conservation Measures:

No conservation measures in place in the wild. Captive population is held in an artificial situation (laboratory) based on stock taken from two rivers (M. Goren, pers comm).

Threats:

Drought, water extraction and pollution are main threats.

Species population information:

Fifty years ago, the species was very abundant. There was a sharp decline between 1950 and 1970. Then the population was stable until 1999. In 1999 the population declined almost to extinction. A captive population was bred from individuals taken from two sites. Two populations have since been released back into the wild but it is not confirmed if at least one of these is successfully breeding.

Country Distribution

	Native - Presence Confirmed	Native - Presence Possible	Extinct	Reintroduced	Introduced	Vagrant
Israel	☑	☐	☐	☑	☐	☐

Upper Level Habitat Preferences

		Score
5.1	Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls)	1

Lower Level Habitat Preferences

Score

Major threats

Code	Description of threat	Past	Present	Future
1	Habitat Loss/Degradation (human induced)	☑	☐	☐
1.3	Extraction	☑	☐	☐
1.3.6	Groundwater extraction	☑	☐	☐
6	Pollution (affecting habitat and/or species)	☑	☐	☐
6.3	Water pollution	☑	☐	☐
6.3.1	Agriculture	☑	☐	☐
6.3.2	Domestic	☑	☐	☐
7	Natural disasters	☑	☐	☐
7.1	Drought	☑	☐	☐
9	Intrinsic factors	☑	☐	☐
9.1	Limited dispersal	☑	☐	☐
9.9	Restricted range	☑	☐	☐

Conservation Measures

Code	Conservation measures	In place	Needed
1	Policy-based actions	☐	☑
1.2	Legislation	☐	☑
1.2.1	Development	☐	☑
1.2.1.2	National level	☐	☑
1.2.2	Implementation	☐	☑
1.2.2.2	National level	☐	☑
3	Research actions	☑	☑
3.2	Population numbers and range	☑	☑
3.3	Biology and Ecology	☑	☐
3.4	Habitat status	☑	☑
3.5	Threats	☑	☐
3.8	Conservation measures	☐	☑
3.9	Trends/Monitoring	☐	☑
4	Habitat and site-based actions	☑	☑
4.2	Restoration	☑	☑

Utilisation of Species

Purpose/Type of Use	Subsistence	National	International	*Other purpose:*
				Not used

	100%	>75%	51-75%	26-50%	<25%	
Primary forms removed from the wild						***Other forms removed from the wild:***
Source of specimens in commercial trade						***Other source of specimens:***

Trend in wild offtake/harvest in relation to total wild population numbers over last five years:

Trend in offtake/harvest produced through domestication/cultivation over last five years:

CITES:

Red Listing

Red List Assessment: Extinct in the Wild (EW) ☐ Possibly Extinct

Red List Criteria:

Rationale for the Red List Assessment: Fifty years ago, the species was very abundant. There was a sharp decline between 1950 and 1970. Then the population was stable until 1999. Drought (in 1999) resulted in the riverine habitat disappearing and the population declined almost to extinction. The last remaining individuals were taken from the remnants of the river and bred in captivity. Two populations now have been released (for conservation purposes) back into the wild from this captive stock. One population has not

reproduced. It is not known of the other population has reproduced yet (surveys are required). Until it can be confirmed that the second population is breeding successfully in the wild, this species is assessed as Extinct in the Wild.

Current Population Trend: Unknown **Date of Assessment:** 13/12/2004

Assessor(s): A.J. Crivelli

Evaluator: M. Goren, N. Bogutskaya, F. Erk'akan, & A. Karatash

Notes on Red listing:

Bibliography

Goren, M. & Ortal, R., 1999, Biogeography, diversity and conservation of the inland water fish communities in Israel., Biological Conservation, , , 89, 1-9, ,

Gafny, S., Goren, M. & Gasith, A., 2000, Habitat condition and fish assemblage structure in a coastal mediterranean stream (Yarqon, Israel) receiving domestic effluent., Hydrobiologia, , , 422/423, 319-330, ,